GLOBAL COMMAND AND CONTROL SYSTEM (GCCS)
GCCS (Solaris) Release Bulletin SEGMENTS Version 2.2.1

rev 0

April 22, 1997

PREPARED BY:
Product Integration Division
DISA/JIEO/JEJC

SUBMITTED BY:
Intae Kim
LTC, USAF
Chief Engineer

APPROVED BY:
Ellis K. Conoley
Colonel, USAF
Program Manager, GCCS

TABLE OF CONTENTS

Sections **Page**

FORWARD

I. Procedures Required Prior to Segment Installation

When configured to comply with security requirements in the Global Command and Control System (GCCS) Trusted Facility Manual for Version 2.1 with Change 1, the oradba account is verified (internally to Oracle) with a password. However, GCCS database segments have not yet been modified to comply with this requirement, so the oradba account must be modified temporarily to allow database segment loading.

If your site has configured the oradba account to verify the password internally, the following procedures should be used prior to installing application database segments and creating database users:

System Prompt	**Response**
machine name#	**su - oradba**
oradba@machine name%	**sqlplus oradba**
Enter password:	**<Oracle password>**
SQL>	**alter user oradba identified externally;**
User altered.	
SQL>	**exit**

Following installation of all database segments, these procedures should be used to reset the oradba account so that it requires an internal password:

System Prompt	**Response**
oradba@machine name%	**sqlplus /**
SQL>	**alter user oradba identified by <Oracle password>;**
User altered.	
SQL>	**exit**

II. Using The Remote Tape Drive During Segment Installation

Similarly, the GCCS TFM also requires the user to remove the hostname entries in the .rhosts file, which prohibits remote segment installations on the local network. If segment installation requires access to the tape drive on another local host, the installer will have to do the following:

1) Remote login to the machine with the tape drive.
2) Switch to user “root”
3) If the /.rhosts file does not exist, the hostname must be created.
4) Edit the /.rhosts file; add the following to the end of the file:
    + hostname

(Where hostname is the name of the system on which SAInstaller will be run)

5) Switch back to SAInstaller and install segments as needed

6) After loading the last segment, return to the remote login window and remove the "+ hostname" entry from the .rhosts file.

Airfields DB Patch 1 (1.0.1.01:03/05/97) (AIRFDB.P1)

SEGMENT DESCRIPTION

This patch is a utility that allows the updating of the Airfields database without having to reinstall the segment.

This segment should be loaded on your Airfields Database Server.

NOTE: This segment should only be installed at sites that utilize previous versions.

When installing this patch, you may prevent the airfields database from being updated by pressing the Control-C buttons when prompted to enter passwords. The patch will load itself. When you are ready to update the database, click the AIRFDBP1 icon on the launch list under *SYSADMIN* to execute the patch.

Before executing this patch, you must first download (FTP) the airfields update file into a directory of your choice. Here are the instructions:

In a xterm window..

Change to the directory that you want to download the airfields.dmp file into. Then ..

Type `ftp 199.114.115.16`
Type `anonymous`
Type `guest`
Type `cd airfdb`
Type `ls -al` and look for file airfields.dmp. If it is there...

If it is there...

Type `get airfields.dmp`

When the download is complete...

Type `quit`

Note that these instructions do not apply to the NMCC.

FIXES / NEW FEATURES

This release updates the following:

1. This version adds an icon for the sysadmin user to use to update the database instead of reapplying the patch each time new data is received.

2. This version has also been modified to enhance security and reliability and to supply the user with

additional information.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
Air Field DB Server 2.0.1.

Step 2: Install AIRFDB.P1 (1.0.1.01).

The following will be presented to the installer:

```
Please enter the password for the ORADBA Oracle Account
(Control-C to exit)

Please enter the password for the AIRFIELD_ADM Oracle Account
(Control-C to exit)

Please enter the path and filename for the Airfield Database Update file
(Control-C to exit)
```

USAGE

NOTES:

- After installing this segment, log into secman and update user sysadmin's launch list by inserting the AIRFDB.P1 icon.
- Ensure that the AIRFIELDS update file is in a directory accessible to the segment before the segment is executed.
- The update process should take about 1 hour and 45 minutes.

EXTERNAL TRANSACTION PROCESSOR (5.6.0.8:02/14/97) (XTP)

SEGMENT DESCRIPTION

The External Transaction Processor (XTP) segment is designed to support transaction processing on a machine running System Services without the Scheduling and Movement program loaded. This requirement supports execution of other GCCS segments such as RDA.

This segment should be loaded on your Application servers, Jopes DB Server, and all JOPES clients. Load XTP before loading RDA 1.8.2.01.

FIXES / NEW FEATURES

This release updates the following:

1. G61382 - System Service Merge is merging transactions into JOPES Core Database that are being rejected by TP at the other sites on distribution. (See Known Problems).

2. Do not fail a transaction because five or more Minor Errors are processed or discovered in it. Continue processing and print out a description of the Minor Error (each of them)in the error log.

3. When Oracle goes down, the TDS applications try to reconnect Oracle without performing a disconnect first.

4. Force description field is being deleted if any character in the field is a '#'.

5. For large text fields, change the pound sign logic so that a # in the first character of the first "field" of the text means delete the whole text field, and a # in the first character of a line of text within the field does not mean delete.

INSTALLATION INSTRUCTIONS

NOTE: Deinstall any previous External Transaction Processor (XTP) segment before installing this new update.

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02; and
ORACLE Application Server Tools 7.1.4.06.

Step 2: Install XTP 5.6.0.8.

The following will be presented to the installer:

Changing permissions and group ownership...

Installation results stored in /tmp/xtp_install.log. Read for details.

```
THIS WINDOW WILL CLOSE AUTOMATICALLY IN 15 SECONDS
OR YOU MAY CLOSE IT MANUALLY NOW.
```

KNOWN PROBLEMS

This release contains the following known problems:

1. The System Services Merge function does not provide the edit function that is currently provided by XTP.

2. The System Services Merge Function does not provide a log or report to indicate transactions that are rejected.

GLOBAL RECON INFO SYSTEM CORE (2.3.2.02:02/07/97) (GRIS)

SEGMENT DESCRIPTION

GRIS provides automated support in planning, scheduling reporting, and monitoring reconnaissance activities under the Sensitive Reconnaissance Operations (SRO) program. GRIS maintains a near real-time status of all SRO missions and provides immediate on-line retrieval of mission, track, and message data. To accomplish this, GRIS provides automatic real-time capture and processing of Reconnaissance Information Processing System (RIPS) format messages, and maintains a mission and track database containing schedule and resultant information. GRIS is used to generate and release the outgoing SRO messages to the Automated Digital Network (AUTODIN) and provides on-line query and report capabilities detailing message, mission status, and scheduling information. It is used to maintain current Track Dictionary data and to generate the master copy of each new dictionary or set of change pages.

NOTE: This is the third release of GCCS GRIS. This application is intended for use by the Joint Recon Communities at these sites: PACOM, EUCOM, ACOM, SOUTHCOM, CENTCOM and NMCC. If you ARE NOT one of these sites, DO NOT INSTALL THE GRIS SEGMENT.

This segment should only be loaded on your GRIS machine if you are one of the sites noted above.

FIXES / NEW FEATURES

This release updates the following:

1. Fixed takeoff and landing times in database converter program (they were erroneously the same).

2. Made mission status-result transitions configurable. File is amp/status_result.

3. Explicitly set foreground to black in status window.

4. Fixed SPLDATA remarks in SRO reports.

5. Changed AMP to remove extra lines between classification and MSGID lines.

6. Changed AMP to ignore embedded slashes in the originator field.

7. Changed AMP to append // to the end of any set that isn't terminated by //.

8. Changed message transmission to sectionalize messages that are too long into PARTs rather than SECTIONs.

9. Changed AMP to add CMTS to track remarks.

10. Fixed Reason-Cause display in Mission Detail.

11. Fixed searching algorithm for QRC missions to retrieve only missions with no ETD.

12. Added log off call to AMP.

13. Removed unused (i.e. dimmed) items from main menu.

14. Fixed sorting by codes (viz. Geo_Area, ICAO, Program, and Purpose).

15. Changed so that you can search by period for different time zones.

16. Fixed problem with adding new codes: the old codes were not being cleared out from index display.

17. Fixed searching by a range with a null lower or upper bound.

INSTALLATION INSTRUCTIONS

NOTES: If you ARE a GRIS site:

- Contact the GRIS user before installing the segment.
- Determine where it makes sense to install GRIS.
- Only install GRIS where it is needed. Do not install GRIS on every client. Typically, there will only be one user.
- Installer should preserve /h/GRIS/data/MASTER prior to performing the install.

To fully install this release, the following must occur:

1. Install the GRIS segment.

2. Run PostInstall to move the databases to the global data area and install the AMP cron job. The cron job can be found under /h/data/global/gris/amp, called "amp_cron". It must be installed manually. Determine who it makes sense to own this cron and install it as that user.

   Use the command "crontab /h/data/global/gris/amp/amp_cron", PROVIDED that the user does not have any other cron jobs. Check first with the "crontab -l" command. If cronjobs exist, then edit the amp_cron into the cron table manually.

3. You will need the AMHS_CLT client to be installed on the GRIS client.

4. GRIS is configured for the following userids: GCCS. If any other userid is used, the file /h/GRIS/data/MASTER can be modified.

5. For any problems or questions, contact the GRIS Maintenance POC.

   Step 1: Verify installation of required segments:
   GCCS COE 2.1;
   AMHS CLIENT 2.1.4; and
   ORACLE Application Server Tools 7.1.4.

   Step 2: Install GRIS 2.3.2.02.

The following will be presented to the installer:

```
Every GRIS user must be added to the file /h/GRIS/data/MASTER.
You will need to edit this file to include your unix userid.
Make sure that the userid appears in capitol letters and that it is
followed by the string $GRIS_LOCDAT/
For example:
MYUSERID => $GRIS_LOCDAT/
Also in order for GRIS to receive incoming messages, your AMHS must have
a GRIS profile created.  This profile will place a copy of all incoming
GRIS messages into a directory where GRIS can find them.

Please enter the name of this directory:
```

GSORT Oracle Server (3.0:11/18/96) (GUPD)

SEGMENT DESCRIPTION

NOTE: An Oracle license is required to use the following material to operate properly.

This segment is an aggregate segment to the GORA segment. GUPD 3.0 SORTS Update Engine segment loads the Status of Resources and Training System (SORTS) reference and lookup tables in the Global Command and Control System (GCCS) ORACLE database. The update portion processes United States Message Text Format (USMTF) information to update the SORTS portion of the GCCS database at any site and provides the ability to reload the SORTS portion of the GCCS site from another GCCS site. The ability exists to do counts of the SORTS update, reference and lookup table contents. The primary user is GSORTS Operations at the Pentagon. GSORTS Operations receives USMTF traffic from GCCS Automatic Message Handler and processes for distribution to the GCCS sites. The segment connects to GORA table definitions through the ORACLE LISTENER.

This segment should be loaded on your GSORTS ORACLE Database Machine. This segment must be installed after GORA 3.0.1 is installed. During the install of GUPD 3.0 and GORA 3.0.1, the GSORTS database will be removed. System Administrator should review Section 12 of the System Administrative Manual Version 2.2 for information on rebuilding GSORTS databases.

FIXES / NEW FEATURES

This release updates the following:

1. Messages can now have multiple SORTUNIT and MSGID lines in a single message.

2. An error message is generated if parsemtf encounters an ill-formed DECL line.

3. The REMARKS data integrity for Army in Readiness reporting has been improved.

4. Modifications were made to use AA' vice CA' for the Language Media Format for GCCS AMHS messages.

5. Modifications were made so that OADR is no longer used in the declassification instructions of a message.

6. Quality Assurance scripts were enhanced to allow selection of information from the database by service.

7. An error message is generated when the SORTS Comms Processor encounters a message that

exceeds the maximum number of lines allowed.

8. Clarified the error message that is generated when no value is entered in the ACTIV field.

9. Load_ports script now extracts classified as well as unclassified data from the database.

10. When a parent OVERALL is deleted, all REMARK rows attached to parent OVERALL are also deleted.

11. Replacing an existing REMARK with an incoming REMARK having the same key updates correctly.

12. The data delete character for the ERSA, ESSA, and TRSA fields works correctly.

13. SORTS messages are processed and distributed via FTP vs WWMCCS FTS.

14. REMARKS record data are no longer truncated by MULTLOAD during reload.

15. Messages going through the AMHS are now in the ACP126 format.

16. The NDEST field in SHIPLOCN set can now contain a port name or an 11 or 15 character geographical coordinate of the planned destination for the ship.

17. Misleading error messages have been corrected.

18. ARUSD is a non-mandatory field when a SPARES delete transaction is processed.

19. When a delete transaction is processed, the entire data structure is deleted when all fields are found to be empty of data.

20. Transaction processing errors were corrected.

21. SORTS Comms Processor (SCP) errors have been corrected.

22. The SCP Operator Interface can be turned off and then restarted without causing multiple copies of the SCP to be generated.

23. Corrected the invalid displays in MULTLOAD.

The following GSPRs have been fixed:

G60477	G60766
G60585	G60767
G60602	G60768

G60603	G60769
G60605	G60773
G60606	G60803
G60804	G60826
G60611	G60828
G60617	G60829
G60618	G60831
G60619	G60840
G60620	G60841
G60621	G60845
G60626	G60846
G60627	G60847
G60628	G60849
G60629	G60852
G60630	G60853
G60631	G60854
G60632	G60855
G60634	G60857
G60636	G60859
G60705	G60860
G60706	G60869
G60707	G60870
G60708	G60951
G60709	G60994
G60711	G61011
G60718	G61042
G60721	G61043
G60722	G61046
G60748	G61140
G60758	G61157
G60759	G61195
G60760	G61279
G60761	
G60762	

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02;
ORACLE RDBMS 7.1.4; and
GSORTS ORACLE SERVER 3.0.1.

Step 2: Install GUPD 3.0.

The following will be presented to the installer:

NOTE: Please disregard the following message that will appear during the installation of the GUPD segment.

```
Warning, xterm will be killed upon exiting this install window

The following load warning files were created during oracle table load:

      No Match

      <HINT: use the INSTALL XTERM to investigate, log load files can be
      found in /h/GUPD/data/dataload/log>

      Enter <return> to continue
```

GSORTS MAP/RETRIEVAL Patch 1 (2.1:11/18/96) (GSORTS.P1)

SEGMENT DESCRIPTION

GSORTS Map/Retrieval, segment provides access to Status of Resources and Training System (SORTS) data in the GCCS Oracle database on the GCCS database server. Access to the SORTS portion of the GCCS database must be granted by the GCCS ORACLE database administrator. It provides the General Interactive Query System (GIQS) to retrieve unit status, major equipment and personnel information and geographical locations from the GCCS ORACLE database as reported to the Joint SORTS processor. The GIQS provides the means to select, filter and qualify retrievals. All data is stored in the user's work space. The retrievals can be displayed in Defense Mapping Agency vector maps by including latitude and longitude data in the retrieval to create questions. GSORTS application provides the ability to add questions, group questions into tailored situations, reconfigure situation panels, tailor map views, edit displayed data, and overlay data on vector or raster maps. HyperText help is provided for SORTS database specification and United States Message Text Format (USMTF) for reporting SORTSREP MESSAGES.

NOTE: This software patch is applicable for all GCCS sites. This software patch should be installed to add the new capabilities and /or correct the deficiencies as described in the fixes / new features below. This segment should only be installed at sites that utilize previous versions.

This segment should be loaded on your GSORTS Application Server Platform.

FIXES / NEW FEATURES

This release updates the following:

1. New lookup/reference tables were created for Army unique.

2. The following tables have been scrubbed:

   deploy mandprfrcmisstat
   depwordsmissionschedule
   sub_uic
   typecode
   typefun
   uic
   uicfunct
   uicmajcm
   units tempatempb
   tempc

3. The Data Description window is now a scrollable window.

4. A warning message will be generated whenever a GSORTS user initiates a GSORTS session while an update of the database is in progress.

5. GSORTS now uses the printer selected from the GCCS Desktop as the user's preferred printer choice.

6. GSORTS now displays a window at the bottom of the main GSORTS window informing the user which database platform the user is currently running.

7. Corrections were made to bring all Army and Navy service-unique data and their accompanying edits into the Joint database.

8. Corrected the problem that caused the ORA-0942 message to appear when 'Update All Questions' was selected.

9. Modifications were made to restore missing labels for the input line on the pop-up FRAS input menu.

10. WIS documents were deleted from the release.

11. Deleted the XSM subjects MTF_RETRAN, ERROR_HOLD, EXAMPLE, LOGS, ORUIC, MTF_MESSAGE from the GSORTS segment.

12. Software was modified to correct problem with GSORTS Application aborting during loading of previously created OVERLAY files.

13. Corrected the problem that caused the ORA-042 message to appear in the XTERM window during the GSORTS GIQS Unit Dump.

The following GSPRs have been fixed:

G60370
G60606
G60609
G60614
G60616
G60773
G60844
G60846
G60847

G60848
G60851
G60834
G61150
G61157
G61279

INSTALLATION INSTRUCTIONS

NOTES: An Oracle license is required to execute GSORTS 2.0.

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02;
ORACLE Application Server Tools 7.1.4.06; and
GSORTS 2.0.

Step 2: Install GSORTS 2.1 Patch 1.

The following will be presented to the installer:

```
NAME:.....................GSORTS.P1
VERSION:..............2.1
SEGMENT TYPE:..Patch
```

KNOWN PROBLEMS

GIQS Abort:
If a User does a GIQS Query without causing a write of FILTER, SITUATION,etc to occur, the system will abort and bring the User back to the desktop. To prevent this from occurring, the user must cause a write to occur by saving FILTER, SITUATION etc , first time only. This sets up the GSORTS 3.0 users defaults correctly, and the user should no longer experience the abort problem.

CD Problem:
There is a problem with loading some CD Raster Maps in GSORTS Version 3.0. GSORTS V3.0 and Solaris 2.3 don't handle some of the loads of CD maps correctly. This problem will be corrected when Solaris 2.4 is released. The following will be helpful in determining whether GSORTS can load the Map CD.

The correct way to get a Map CD that GSORTS can recognize loaded into GSORTS V3.0 is as follows:

From GSORTS banner menu:

select Map_Utilities
select AdrgMaps
Open Cdrom
A box will appear with MAP Identifier
Highlight the Map Identifier
Click Ok

The map should appear on the screen. If the box is empty GSORTS is not reading the MAP CD.

In an XTERM window you can check to see if the CD is being read.
Enter the following command:

cd /cdrom/cdrom0

If this command doesn't execute, the system is not reading the CD MAP. Most of the maps that GSORTS and Solaris can recognize are maps with the following structure:

cd /cdrom/cdrom0
ls -al

The list should show these files
tstpa01.cph
transh01.thf
cd /cdrom/cdrom0/transh01.thf

There are other structures that cd /cdrom/cdrom0 will recognize, but which can't be loaded into GSORTS.

GSORTS ORACLE SERVER (3.0.1:02/12/97) (GORA)

SEGMENT DESCRIPTION

NOTE: An Oracle license is required.

GORA 3.0.1, GSORTS Oracle Server, segment creates the ORACLE table space, GSORTS_DATA to allow creation of the Status of Resources and Training System (SORTS) table definitions. ORACLE 7.1.4 constraints, views, and indexes are also created during installation of this segment. The segment provides the structure for GSORTS Update engine from GUPD segment and General Interactive Query System (GIQS) from GSORTS segment. The segment is part of the Global Command and Control System (GCCS) Oracle database. The ORACLE database manager should grant SORTS access to only authorized users.

This segment should be loaded on your GSORTS Oracle Server Platform. This segment must be installed before GUPD 3.0 is installed. During the install of GORA and GUPD, the GSORTS database will be removed.The System Administrator should review Section 12 of the System Administration Manual Version 2.2 for information on rebuilding GSORTS databases.

FIXES / NEW FEATURES

This release updates the following:

1. New lookup/reference tables were created for Army unique.

2. The following tables have been scrubbed:

deploy	mandprfrc	misstat
depwords	mission	schedule
sub_uic	typecode	typefun
uic	uicfunct	uicmajcm
units	tempa	tempb
tempc		

3. The new_oracle_user script was changed to work with the GSORTS user role.

4. GORA now has the ability to provide database roles for access privileges and the ability to revoke an individual GSORTS user access.

5. GORA reestablishes the connections that dependent database segments had on GSORTS that were broken when GORA was deinstalled. This is accomplished by invoking existing segment scripts:

   a. This segment restores SMDB views, etc. that broke when GSORTS was deinstalled.

   b. It re-compiles the RDA packages.

6. This segment modifies the PostInstall.oracle script to grant RDA and S&M permissions to view the GSORTS data.

The following GSPRs have been fixed:

G51757
G60424
G60477
G60606
G60609
G60684
G60850
G60950
G60993
G61129
G61130
G61131
G61157
G61279

INSTALLATION INSTRUCTIONS

NOTE: When you are asked for a directory for a GSORTS tablespace file, respond with a directory located under /h or /home10 on systems on which the SPARCstorage arrays were configured under GCCS 2.1 or /home1, /home10, or /home20 on systems where the SPARCstorage arrays were configured with the GCCS 2.2 Volume Manager segment. (“/h”, “ /home1" “/home10" and “/home20" are directories located on different array partitions.) You will be asked for a directory for each of three files, the directories do not have to be on the same partition, but if you choose to have more than one file on the same partition, they should be in the same directory.

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02; and
ORACLE RDBMS 7.1.4.

Step 2: Ensure proper access to the database:

The Oradba account must be set to disable the requirement for an internal password. The Administrator will make necessary changes. Refer to page ii for explicit details.

Step 3: Deinstall GSORTS Oracle Server Patch 1 (GORA.P1 V1.2.03); then deinstall GSORTS Oracle Server 2.0.03;

NOTE: The deinstallation of GORA V2.0.03 segment will also deinstall the GUPD V2.0 segment. The GORA V3.0 segment MUST BE INSTALLED BEFORE installing GUPD V3.0 segment. During deinstall, do not delete account gsrtsupd.

Step 4: Install GORA 3.0.1; and

Step 5: If there are no more database segments to load, see the Administrator to reset the Oradba back so that it requires an internal password. Refer to page ii for explicit details.

The following will be presented to the installer:

GSORTS Oracle Server Install:

```
starting /h/GORA/SegDescrip/PostInstall.oracle [1] 2808.

WARNING: xterm will be killed upon exiting this install window.
```

NOTE:

```
C    If you should receive the following message and the system seems to
     wait:

     "Unable to open file "/tmp/cr_gsorts_saves.sql"
     >SQL"
     Enter "exit" to continue processing

C    It is not necessary to specify a subdirectory under the top level
     directory, GSORTS Oracle will create one (e.g. /h/dbfdir).
```

```
     GSORTS database gsortdatal.dbf requires 256 Megabytes of disk
     space.
```

```
Enter directory to deposit gsortdatal.dbf: /hxxx

GSORTS database gsortdata2.dbf requires 256 Megabytes of disk
space.

Enter directory to deposit gsortdata2.dbf: /hxxx

GSORTS database gsortsdata3.dbf requires 256 Megabytes of disk
space.

Enter directory to deposit gsortsdata3.dbf: /hxxx

/hxx directory requires 256M and will store gosrtsdata1.dbf
/hxx directory requires 256M and will store gosrtsdata2.dbf
/hxx directory requires 256M and will store gosrtsdata3.dbf

Is this correct (y/n) [n]?  Y

Creating gsorts oracle tables

gsrtupd account already exists, do you want to delete the account
(y/n) [n].
```

USAGE

NOTE: Refer to Section IV of the FORWARD for information regarding installation and post-installation procedures.

Kernel Patch 3 (1.5:03/18/97) (KERNEL_PATCH.3)

SEGMENT DESCRIPTION

The GCCS COE Kernel has been designed to build a 2.2 GCCS system from scratch or to upgrade GCCS Version 2.1 systems automatically.

This segment should be loaded on all Workstations.

FIXES / NEW FEATURES

This release updates the following:

1. The /h/EM/libs/xdm/Xreset script was corrected to properly kill user processes. The group and permissions on the /h/EM/admin/security-scripts directory was changed to "admin" and 775 respectively. This corrects a problem where the Sybase and msql portions of an account were not being dropped when the account was deleted.

2. This script kills all user processes when a user logs out. Unfortunately, if you log in and out as oradba or amhs_dba you will kill Oracle or AMHS respectively. This version of Xreset will only kill user processes if the UID is 1500 or greater.

2. /h/EM/progs/system_content & /h/System_Backup/system_content: This script has been modified to account for changes made in GCCS Version 2.2.

3. The permissions on the /h/ .umask file are changed to 744.

4. The "xhost +" is removed from the /h/AcctGrps/GCCS/Script/ .xsession.GCCS.

5. The /opt/UB_post and /etc/rc3.d/S16ub scripts have been corrected to insure that /h/data/global/UB contains all the required files/directories, after JMCISApps is loaded. UB_post will copy the hidden UB files to /h/data/global/UB regardless if they are already there or not.

6. The /etc/rc3.d/ S00gccs script has been modified to insure that the users dot files have the correct ownership. The /etc/rc3.d/S00gccs script is only replaced if the original S00gccs script is still in /etc/rc3.d. A S99gccs is placed in /etc/rc3.d to correct the users dot files ownership if S00gccs is no longer in /etc/rc3.d (meaning it has already run).

7. A /opt/GCCS_user script has been created that correctly updates the users accounts whether they are on a GCCS system or not.

8. The "syslog" function, which generates the /var/adm/messages files, does not work when "End User Support" is specified for the Solaris OS level (the GCCS standard). This patch restores the "m4" executable to /usr/ccs/bin, which is required to reactivate the syslog function.

The following kernel executable have been replaced (listed with the fix/change they represent):

9. To fix the COEExecMgr failing to process close sessions normally:

   AcctGrps/SecAdm/progs/COEEXECMGR
   AcctGrps/SecAdm/progs/COECheckSessions
   AcctGrps/SecAdm/progs/COECloseSession

10. To fix the SAInstaller core dump when a segment is stale NFS mounted :

    AcctGrps/SysAdm/progs/SAInstaller
    AcctGrps/SysAdm/progs/SAShell

NOTE: (SAShell is not currently used. However, the executable did rebuild due to this fix, so we include it for completeness.) The DiskReserver and SegmentReserve files (/h/data/local/SysAdm) are also removed since they may get corrupted by stale NFS mounts.

---

11. To support hostnames of length 8 (Part of Kernel patch 2):

    AcctGrps/SysAdm/progs/SAEditHosts
    AcctGrps/SecAdm/progs/AdmMgr

12. To fix SAINSTALLER to remake the services table if necessary after each run of SAInstaller:

    AcctGrps/SysAdm/progs/SAINSTALLER

13. To change all SysAdm/SecAdm references to a "HOST" environment variable:

    AcctGrps/SysAdm/progs/GENBCST_OFF
    AcctGrps/SysAdm/progs/GENBCST_ON
    AcctGrps/SysAdm/progs/SACleanData.csh
    AcctGrps/SysAdm/progs/SATape.csh

14. On SPARC 1000/2000 platforms with more than 512 MB of RAM the "bufhwm" was incorrectly being set. This patch replaces "bufhwm=8000" with "set bufhwm=8000".

15. In addition the Hardware_Update script is executed to insure that all the sizes specified in the segment Hardware files match the actual installed size of the segment. This is critical with the GCCS Version 2.2 Segment Installers.

INSTALLATION INSTRUCTIONS

NOTE: This segment supercedes both GCCS Kernel Patch 1 and GCCS Kernel Patch 2. This segment should be installed after the GCCS Kernel 2.2 upgrade/ install has been performed. After installation the system must be rebooted. If the GCCS COE has not been installed, it is recommended that it also be installed before the reboot to minimize the number of reboots.

Step 1: Verify installation of required segments:
GCCS Kernel 2.2.

Step 2: Install Kernel_ Patch.3 (1.5).

The following will be presented to the installer:

```
The system must be rebooted for the new Segment Installer to become
active.  Please exit the Segment Installer and restart the system.

Hit [Return] when ready:
```

NETSCAPE Browser (3.0.02:04/02/97) (WEBBr)

SEGMENT DESCRIPTION

NETSCAPE along with Netsite, provides replacement functionality for WIN Teleconferencing as a client/server product capable of communication over TCP/IP protocols. NETSCAPE is a commercial software package that will provide the capability to explore the World Wide Web, multimedia and Internet text-based mediums. The Internet's Usenet newsgroups, e-mail, and alternative transport protocols offer diverse and robust communicative elements. NETSCAPE software will provide features to explore the Internet in numerous domains without hindrance from the complexity of distributed networks.

This segment should be loaded on all machines using Imaging capability.

FIXES / NEW FEATURES

This release updates the following:

1.Corrects Font problem.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02.

Step 2: Deinstall WEBBr 3.0.01. (If installed)

Step 3: Install WEBBr 3.0.02.

The following will be presented to the installer:

```
Please specify your organization's name (64 chars or less)
: ____________________________________________

Is <  > correct?  (y/n) [y]: y

If the web server is not known, the following will appear:
Enter local web server machine name (<cr> for none):< machine name>

Is <machine name> correct?  (y/n) [y]: y
```

ORACLE RDBMS Patch 3 (3.0.0:01/13/97) (RDBMS.P3)

SEGMENT DESCRIPTION

This segment is a patch which changes the ORACLE RDBMS.

This segment should be loaded on existing JOPES Core Database Servers only and must be loaded before any other application database segments or patches.

FIXES / NEW FEATURES

This release updates the following:

1. It modifies several initialization parameters that were recently discovered to cause performance impacts (enqueue_resources=1220, async_read=true,_lgwr_async_read=true.)

2. It corrects the problem of the database writer running away with the system resources. The oracle binary is relinked during the installation of this patch (if RDBMS Patch 2 isn't already installed). In addition the script that shuts down and starts Oracle (S99dbora) now starts the SqlNet V2 listener before starting Oracle and stops the SqlNet V2 listener before shutting down Oracle and removes any $ORACLE_HOME/rdbms/log/d00*.trc files generated.

3. If RDBMS Patch 2 was not installed at a JOPES site this step will change Oracle global name for JOPES Core sites so they are unique. Other sites are unchanged. These scripts now handle variations in the /etc/hosts file that RDBMS Patch 2 did not including multiple entries for the machine name. .

4. The TEMP tablespace size is improved: it is dropped and recreated. This also unfragments it.

5. Rollback segments are changed; optimal (10M- > 8M) and next extent (1M - > 2M).

6. The create database scripts are redelivered to reflect the current database configuration and several password scripts (internal < - > external), located in $ORACLE_HOME, are made available.

INSTALLATION INSTRUCTIONS

NOTE: This segment can be loaded on top of RDBMS Patch 2 (RDBMS.P2) or in place of it. Recommend users be logged off the system during installation. System Administrator should assure that Users are not logged on to DB during install or load will be extremely slow.

Step 1: Verify installation of required segment:
ORACLE RDBMS Solaris 7.1.4.

Step 2: Install RDBMS.P3

PRECAUTIONS: The parameter scripts($ORACLE_HOME/dbs/initGCCS.ora and $ORACLE_HOME/dbs/configGCCS.ora) reflect the requirements of the JOPES Core database sites and include automatic archiving of the online redo logs). The pre-RDBMS Patch 3 files are moved to [init/config] GCCS.ora.P3 in the same directory.

The following will be presented to the installer:

```
*****No dialog is presented.*****
```

RDA (1.8.2.01:03/06/97) (RDA)

SEGMENT DESCRIPTION

RDA provides a capability to create, add, modify, delete, and generate output on deployment-related information contained in an Operation Plan (OPLAN) Time Phased Force Deployment Data (TPFDD). The specific types of functionality include:

Plan Population and Maintenance
Requirements Generation and Maintenance
Availability of Unit Information
Force Module Development and Maintenance
Availability of Reference File Information
Pre-Defined Reports/Retrieval Generation (through PDR segment).

This TPFDD edit capability is a critical tool for deliberate or peacetime planning and time-sensitive or Crisis Action Planning (CAP).

This segment should be loaded on your Client or Application Server. RDA requires the External Transaction Processor (XTP) segment. Load XTP 5.6.08 before loading RDA 1.8.2.01.

FIXES / NEW FEATURES

This release updates the following:

1. Database synchronization fixes: ULN Details, CIN Details, PIN Details, and Plan Summary have been fixed to correctly apply # logic in free form text fields. If a # is entered into the first position of the field, the field is blanked out on the screen, a # is placed in the transaction and the field is updated to null in the database.

2. G70037 - Manual Merge now correctly creates CIN and PIN transactions.

3. G70032 - Release Notes changed to reflect correct procedure to start RDA from Xterm window.

4. DPWG #156 - Mini Timeline now displays the UIC.

5. DPWG #149 - ULN, CIN, and PIN Details now have a Refresh Screen button and a Refresh Field button.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02;
ORACLE Application Server Tools 7.1.4.06;

External Transaction Processor (XTP) 5.6.0.8;
PERL 6.0;
Tcl/Tk Application 1.0.0; and
JOPES Navigation 2.7.0.02.

Step 2: Install RDA 1.8.2.01.

The following will be presented to the installer:

```
*****No dialog is presented.*****
```

KNOWN PROBLEM

This release contains the following known problems:

The UIC field is not treated as a free form text field. If # is placed in the first position, a warning will appear stating the UIC is not valid. If the User elects to keep the entry, the field will not be deleted on the ULN Details screen, but a transaction will be cut with the # in the first position and the field will be updated to null at all other databases.

RDASRV.P14 (1.8.2.02:03/21/97) (RDASRV.P14)

SEGMENT DESCRIPTION

RDA provides a capability to create, add, modify, delete, and generate output on deployment-related information contained in an Operation Plan (OPLAN) Time Phased Force Deployment Data (TPFDD). The specific types of functionality include:

Plan Population and Maintenance
Requirements Generation and Maintenance
Availability of Unit Information
Force Module Development and Maintenance
Availability of Reference File Information
Pre-Defined Reports/Retrieval Generation (through PDR segment).

This TPFDD edit capability is a critical tool for deliberate or peacetime planning and time-sensitive or Crisis Action Planning (CAP).

This segment should be loaded on your JOPES Database Server.

NOTE: Running DB analyzer and similar processes may slow the loading process if they are run during installation. Users must not be accessing the database.

FIXES / NEW FEATURES

This release updates the following:

1. Database synchronization fixes: ULN Details, CIN Details, PIN Details, and Plan Summary screens have been fixed to correctly apply pound sign (#) logic in free form text fields. If a # entered into the first position of the field, the field is blanked out on the screen, a # is placed in the transaction and the field is updated to null in the database.

2. GSPR G70037 - Manual Merge now correctly creates CIN and PIN transactions. This version of RDA Server Patch 14 fixes problems identified in G70037. In particular CIN/PIN transactions were failing because a G or J was not in the first position.

3. GSPR G70032 Release Notes changed to reflect correct procedure to start RDA from Xterm window.

4. DPWG #156 - Mini timeline now displays the UIC.

5. DPWG #149 - ULN, CIN, and PIN Details now have a Refresh Screen button and a Refresh Field button.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
RDA Server 1.3;
GCCS COE 2.2.0.5.02; and
SMDB.P16 5.6.0.0.05.

Step 2: Install RDASRV.P14 (1.8.2.02).

The following will be presented to the installer:

```
*****No dialog is presented.*****
```

KNOWN PROBLEM

This release contains the following known problem:

The UIC field is not treated as a free form text field. If # is placed in the first position, a warning will appear stating the UIC is not valid. If the User elects to keep the entry, the field will not be deleted on the ULN Details screen, but a transaction will be cut with the # in the first position and the field will be updated to null at all other databases.

S&M Character Patch 2 (5.6.0.9:03/11/97) (SMCHAR.P2)

SEGMENT DESCRIPTION

Scheduling and Movement (S&M) Character is the client server replacement for JOPES Subsystem E. This application is intended to run on application servers for the S&M portion and database servers for the System Services portion. This character-based segment of S&M is called by a remote machine, such as a remote PC or SPARC5, for execution over a small bandwidth serial or satellite line.

This segment should be loaded on your Database Servers, Character Server. Load the SMCHAR.P1 before loading SMCHAR P.2.

FIXES / NEW FEATURES

This release updates the following:

> Merge code adds dummy rows in the OPLAN_FORCE_RQMT_LOC table even if there is no data in DEST, ORIGIN, POE and POD fields in the TPFDD.

INSTALLATION INSTRUCTIONS

NOTE: Please read the readme.txt file in /h/SMCHAR/app-defaults for specific information on setting up your character-based terminals for use with this product.

Step 1: Verify the installation of required segments:
GCCS COE 2.2.0.5.02;
Character Based Interface 1.0;
Oracle Application Server Tools 7.1.4.06;
S&M Character 5.6.0.0; and
SMCHAR.P1.

Step 2: Install SMCHAR.P2 (5.6.0.9).

The following will be presented to the installer:

```
***** No dialog is presented.*****
```

KNOWN PROBLEMS

This release contains the following known problems:

1. The System Services Merge function does not provide the edit function that is currently provided by XTP. Use of the Merge function may cause the OPLAN to be out of synchronization. System Services Merge is not providing a check for a valid GEO code. All other edit checks are being performed by the Merge function.

2. The System Services Merge Function does not provide a log or report to indicate transactions that are rejected. This is not a problem with the software functioning. It is a request for more information (CR).

S&M Character Patch 1 (5.6.0.8.01:03/06/97) (SMCHAR.P1)

SEGMENT DESCRIPTION

Scheduling and Movement (S&M) Character is the client server replacement for JOPES Subsystem E. This application is intended to run on application servers for the S&M portion and database servers for the System Services portion. This character-based segment of S&M is called by a remote machine, such as a remote PC or SPARC5, for execution over a small bandwidth serial or satellite line.

This segment should be loaded on your Database Servers and Application Servers. Load the SMCHAR.P1 segment before loading SMCHAR.P2.

FIXES / NEW FEATURES

This release updates the following:

1. G61382 - System Services Merge is merging transactions with an incorrect ULN into JOPES Core Database that are being rejected by TP at the other sites on distribution. (See Known Problems).

2. Do not fail a transaction because five or more Minor Errors are processed or discovered in it. Continue processing and print out a description of the Minor Error (each of them) in the error log.

3. When Oracle goes down, the TDS applications attempt to reconnect to Oracle without performing a disconnect first.

4. Force description field is being deleted if any character in the field is a '#'.

5. For large text fields, change the pound sign logic so that a # in the first character of the first "field" of the text means delete the whole text field, and a # in the first character of a line of text within the field does not mean delete.

INSTALLATION INSTRUCTIONS

NOTE: Please read the readme.txt file in /h/SMCHAR/app-defaults for specific information on setting up your character-based terminals for use with this product.

Step 1: Verify the installation of required segments:
GCCS COE 2.2.0.5.02;
Character Based Interface 1.0;
Oracle Application Server Tools 7.1.4.06;
S&M Character 5.6.0.0.

Step 2: Install SMCHAR.P1 (5.6.0.8.01).

The following will be presented to the installer:

```
Copying Updated Programs to /h/SMCHAR/progs/SMCHAR_character directory
Setting Ownership and Permissions on Updated Programs

THIS WINDOW WILL CLOSE AUTOMATICALLY IN 15 SECONDS
A COPY OF THIS SCREEN CAN BE FOUND IN /tmp/smchar_install.log
```

KNOWN PROBLEMS

This release contains the following known problems:

1. The System Services Merge function does not provide the edit function that is currently provided by XTP. Use of the Merge function may cause the OPLAN to be out of synchronization. System Services Merge is not providing a check for a valid GEO code. All other edit checks are being performed by the Merge function.

2. The System Services Merge Function does not provide a log or report to indicate transactions that are rejected. This is not a problem with the software functioning. It is a request for more information (CR).

S&M Graphics Patch 2 (5.6.0.9:03/11/97) (SM.P2)

SEGMENT DESCRIPTION

S&M is the focal point for command and control information on deployment activity and status. It provides a vehicle to report and track the movement of Time-Phased Force Deployment Data (TPFDD) requirements. S&M allows the JOPES user to manually create, update, allocate, manifest, and review both United States Transportation Command (USTRANSCOM) and organic carrier information before, during, and after deployment. It also provides the capability to review, analyze, and generate reports on scheduling and movement information entered into JOPES both manually and from supporting external transportation systems.

This segment should be loaded on your Database Servers. Do not install on Application Servers. Load the SM.P1 segment before loading SM.P2. There is no HP version of SM.P2.

FIXES / NEW FEATURES

This release updates the following:

> Merge code adds dummy rows in the OPLAN_FORCE_RQMT_LOC table even if there is no data in DEST, ORIGIN, POE and POD fields in the TPFDD.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02;
ORACLE Application Server Tools 7.1.4.06;
S&M Graphic 5.6.0.0.02; and
SM.P1 5.6.0.8.

Step 2: Install SM.P2 (5.6.0.9).

The following will be presented to the installer:

```
*****No dialog is presented.*****
```

KNOWN PROBLEMS

This release contains the following known problems:

1. The System Services Merge function does not provide the edit function that is currently provided by

XTP. Use of the Merge function may cause the OPLAN to be out of synchronization. System Services Merge is not providing a check for a valid GEO code. All other edit checks are being performed by the Merge function.

2. The System Services Merge Function does not provide a log or report to indicate transactions that are rejected. This is not a problem with the software functioning. It is a request for more information (CR).

S&M Graphics Patch 1 (5.6.0.8.01:03/03/97) (SM.P1)

SEGMENT DESCRIPTION

S&M is the focal point for command and control information on deployment activity and status. It provides a vehicle to report and track the movement of Time-Phased Force Deployment Data (TPFDD) requirements. S&M allows the JOPES user to manually create, update, allocate, manifest, and review both United States Transportation Command (USTRANSCOM) and organic carrier information before, during, and after deployment. It also provides the capability to review, analyze, and generate reports on scheduling and movement information entered into JOPES both manually and from supporting external transportation systems.

This segment should be loaded on your Database Servers. Do not install on Application Servers. Load the SM.P1 segment before loading SM.P2. Ther is no HP version of SM.P1.

FIXES / NEW FEATURES

This release updates the following:

1. G61382- System Services Merge is merging transactions with an incorrect ULN into JOPES Core Database that are being rejected by TP at the other sites on distribution. (See Known Problems).

2. Do not fail a transaction because five or more Minor Errors are processed or discovered in it. Continue processing and print out a description of the Minor Error (each of them) in the error log.

3. When Oracle goes down, the TDS applications try to reconnect to Oracle without performing a disconnect first.

4. Force description field is being deleted if any character in the field is a '#'.

5. For large text fields, change the pound sign logic so that a # in the first character of the first "field" of the text means delete the whole text field, and a # in the first character of a line of text within the field does not mean delete.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02;
ORACLE Application Server Tools 7.1.4.06; and
S&M Graphic 5.6.0.0.02.

Step 2: Install SM.P1 (5.6.0.8.01).

The following will be presented to the installer:

```
Copying Updated Programs to /h/SM/progs/SM_graphic directory
Setting Ownership and Permissions on Updated Programs

THIS WINDOW WILL CLOSE AUTOMATICALLY IN 15 SECONDS
A COPY OF THIS SCREEN CAN BE FOUND IN /tmp/sm_install.log
```

KNOWN PROBLEMS

This release contains the following known problems:

1. The System Services Merge function does not provide the edit function that is currently provided by XTP. Use of the Merge function may cause the OPLAN to be out of synchronization. System Services Merge is not providing a check for a valid GEO code. All other edit checks are being performed by the Merge function.

2. The System Services Merge Function does not provide a log or report to indicate transactions that are rejected. This is not a problem with the software functioning. It is a request for more information (CR).

System Maintenance (2.2:03/06/97) (SYSTEM_BACKUP)

SEGMENT DESCRIPTION

System Maintenance archived key system data required to recover an EM Server. The /h/data/global file system and the NIS+, MSQL, and Sybase databases are each backed up to /h/USERS/BACKUP. The installer has the option of backing up /h/USERS to tape daily.

This segment should be loaded on all workstations.

FIXES / NEW FEATURES

This release updates the following:

1. The SUN "ssa" script that is called by the "explorer" was not identifying SPARCstorage arrays on Solaris 2.3 systems. This script was also generating a syntax error.

2. The "explorer" script was not exiting at completion.

3. The nisstat command is now used to determine the NIS+ server.

4. NIS+ is now backed up and the /etc/nis/admin/ [nis_server and nis_server_post] scripts are now created correctly. Also the template files for nis_server and nis_server_post scripts were inadvertently being removed.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 2.

Step 2: Install System_Backup 2.2.

The following will be presented to the installer:

NOTE: Dialogue is dependent on the type of system as well as the file systems located on that system.

```
No platform has been designated to dump /h/USERS to tape
```

```
Do you wish to designate a tape backup platform? (y/n)[n]: y

Enter hostname of tape backup platform: _________________

You have entered the following as the tape backup platform:
Is this correct? (y/n)[n]: y

Tape backup scheduled for 2300 hours
Do you wish to change this time? (y/n)[n] n

The tape drive number is 0
Do you wish to change this value? (y/n)[n] n

Tape backups of the auditlogs is currently being performed by: ____

Do you wish to change the auditlogs backup platform?
(y/n)[n] n

Tape backup of auditlogs scheduled for 000 hours
Do you wish to change this time? (y/n)[n] n

The tape drive number is 0
Do you wish to change this value? (y/n)[n] n

On the machine designated as the Sybase Server by default, the dumping
of other Sybase databases could fill up /h/USERS/BACKUP/sybase/db_saves
if they are large.

Do you want to dump all Sybase databases? (y/n) [n]:
```

Tactical Information Broadcast Service (2.1.4.04:03/11/97) (TIBS)

SEGMENT DESCRIPTION

The Tactical Information Broadcast (TIBS) segment allows for the parsing of the Tactical Information Broadcast (TIBS) by COP machines. When coupled with its classified counterpart, it allows for the reception of amplifying track data that is transmitted on the TIBS.

The segment should only be installed on the TDBM Master machine.

FIXES / NEW FEATURES

This release updates the following:

1. This integration redelivery corrected the requires file. For example the JMCISApps is required in order to ensure that full UB capability exists on the machine onto which this segment is installed. Additionally, the TIBS Encoders and Decoders are classified and are supplied by the TIBS Secret Segment. Full TIBS receive capability will not be attained unless the TIBS Secret Segment is loaded.

2. Ported TIBS 2.1.3 to GCCS/ Solaris.

3. Fixed Gdb mapping problems that caused memory errors.

4. Changed the way TibsConfig maintains the encoder and decoder names in the Channels file.

5. Updated TibsProcess' and TibsBdcst's use of signals to POSIX compliance.

6. Enable Gdb mapping process to handle a data file with no functions to perform.

INSTALLATION INSTRUCTIONS

WARNING! READ ALL DOCUMENTATION ** BEFORE ** LOADING THIS SEGMENT!! ** IMPORTANT ** Do not load this segment onto non-COP/UB machines!

Step 1: Verify installation of required segments:
GCCS COE 3.0.1.1;
JMCIS Applications 3.0.1.6G; and
UB Core 3.0.1.6G.

Step 2: Install TIBS 2.1.4.04.

The following will be presented to the installer:

```
*****No dialog is presented.*****
```

TBMD Shared Early Warning (1.0.0.0.01:02/13/97) (TSEW)

SEGMENT DESCRIPTION

The TSEW (Theater Ballistic Missile Shared Early Warning) segment provides Ballistic Missile Launch alertment, launch point plotting, and projected point of impact plotting for US Allies. It is loaded onto GCCS 2.2 suites, and it requires full up UB/COP functionality be present on the machine that it is loaded on. Certain data feeds (TRE) are required in order for alertment to occur.

This segment should be loaded on any machine requiring Ballistic Missile Early Warning.

FIXES / NEW FEATURES

This release updates the following:

1. The Requires file now includes JMCISApps which is required in order to ensure that full UB capability exists on the machine onto which this segment is installed.

2. The PostInstall script changes directories to its install directory before doing recursive ownership/group/permission changes vice trying to do those changed across symbolic links.

3. The PostInstall script no longer attempts to chgrp 35 but instead chgrps to GCCS.

INSTALLATION INSTRUCTIONS

NOTE: Do not load this segment onto non-COP/UB machines. Do Not load in machines that use \tbmd (US version).

Step 1: Verify installation of required segments:
GCCS COE 3.0.1;
JMCIS Applications 3.0.1.6G; and
UB Core 3.0.1.

Step 2: Install TSEW 1.0.0.0.01.

The following will be presented to the installer:

```
*****No dialog is presented.*****
```

UB 3.0.1.6GP3 (3.0.1.6GP3:01/27/97) (UBPATCH 3)

SEGMENT DESCRIPTION

The UBPATCH 3 upgrades the functionality of a GCCS 2.2 machine with UB fully loaded. The updated programs and data span the contents of the various UB segments (GCCS COE, JMTK, UBApps, JMCISApps, and Printer), as these are inter-related. All future UBPATCH segments (e.g. UBPATCH 3.0.1.6GP4) will be roll-ups of all previous UBPATCH segments, and the deinstall/reinstall will happen automatically when the new UBPATCH is installed.

This segment should be loaded where UB Server and UB Client are loaded.

FIXES / NEW FEATURES

This release updates the following:

1. Includes roll-up of all previous 3.0.1.6G patches.

2. Enhances the functionality of the UB ATO processing, adding features such as the ability to attach link tracks by mode-2 to targets so that ATO can be monitored as it is carried out.

3. Adds LOS Profile capabilities to the system, allowing a graphic elevation profile of the line of sight between two selected points on the display (DTED map data only).

4. Adds a LK11ADS (Link 11 ADSI) interface to the list of available interfaces, allowing the Link-11 Indian-Head protocol to receive real-time ADSI link track information and plot the tracks using a stereo graphic projection on the geodisplay.

5. Increases maximum JUNIT count in TDBM by 1150 to a total of 1650. Also included a new SysAdm menu option to reconfigure the maximum track limit distributions by track type. Reconfiguration requires reboot of all systems on the LAN running UB.

6. Corrects the ability of the Set View Filter application to crash System Chart if the View window was not already launched.

7. Corrects a number of bugs with the "ATOX+" software (ATO processing). Enables receipt of VERY long "NARR" entries, corrected MERGE problems (deleted CHANGE message, or original ATO with no CHANGE's received yet). Corrects first TASKUNIT failure to plot.

8. Adds the capability to display link tracks by Mode-3 IFF value. The Mode-3 option is now available from the Plot Controls/Symbol Labels window.

9. Under UB's Track Status window, adds capability for users to see maximum track database size by track type. These max values are configurable through a sysadmin option, but they can now be viewed through Track Status.

10. Corrects potential socket-related instability in QueryServer executable, which could have caused processes connecting to QueryServer to lock up if incorrect data was passed.

11. Modifies Mdx data file for MdxTrkBdcst encoder to increment number of slots field, to help protect against data loss in burst situations.

12. Rewrites Printer Setup windows using Motif window manager so that Mixed Case is now supported in the Printer Name field. This removes the restriction that all printers used by UB must be ALL CAPS.

13. HP ONLY: Corrects a problem with the version file of the GCCS Account Group that was causing the "GCCS REV 2.2" version number to appear incorrectly during a user session.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 3.0.1.6G;
UB Applications 3.0.1.6.;
Joint Mapping Toolkit 3.0.1.6; and
UB Core 3.0.1.G.

Step 2: Install UBPATCH 3.0.1.6.GP3.

The following may be presented to the installer if patch two was not previously installed:

```
UPON COMPLETION OF UBPATCH DEINSTALLATION YOU MUST REBOOT THE SYSTEM AND
ALL OF ITS CLIENTS.

OK

UPON COMPLETION OF UBPATCH INSTALLATION YOU MUST REBOOT THE TBDM MASTER
AND ALL CLIENTS ASSOCIATED WITH THIS SYSTEM.

OK
```

UB Suppress (1.0.01:02/25/97) (UB_SUPPRESS)

SEGMENT DESCRIPTION

The UB Suppress 1.0.01 segment is designed primarily to suppress UB core background process launch on workstations that do not run UB. Core process launch is normally UB enabled by the installation of the GCCS COE aggregate segment (which includes UB core).

This segment should be installed on any workstation where UB is NOT operational.

FIXES / NEW FEATURES

This release updates the following:

> Created a segment that, at each workstation boot time, if the critical UB segments are not loaded (neither UBApps nor JMTK), will cause UB core processes (e.g., Tdbm) not to be launched in the background.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 3.0.1.6G; and
UB Core 3.0.1.6.

Step 2: Install UB Suppress 1.0.01.

The following will be presented to the installer:

```
YOU MUST REBOOT FOR CHANGES TO TAKE EFFECT.

OK
```

USAGE

The absence of unneeded background UB processes will save network usage and a small amount of processing speed and will provide a significant reduction of socket usage on the TDBM Master. If UB is later installed on that machine, the segment will sense the change and will allow the core processes to be launched at next reboot.